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Some notes in using Tungsten carbide alloy

- **Cutting, Grinding processing**
  - Tungsten carbide alloy is easily to be crack or chip in corner when being punched or over processed during machining, so please make sure the work piece is fastened in the work table firmly before processing.
  - Don’t use metal hammer when punching on tungsten carbide alloy.
  - TC alloy is not easily to be absorbed by magnet, hence when you use magnet to fasten it, please double check to see whether the work piece is loose or not.
  - The finished surface of TC products will be very smooth after machining, and very sharp comer, so please take care when carry and use it.

- **Electro-Discharge Machining, Wire Electro-Discharge Machining**
  - Tungsten carbide is easily to crack or collapse in corner in ECM or WEDM, so please adjust the machining process according to product use condition.
  - WEDM may cause TC cracking, so please make sure there is no flaw in the machining surface before operating next process.

- **Welding processing**
  - Crack may arise during the welding processing, so please make sure there is no damage on the finished surface before operating next process.
  - If the flying substance (welding iron) adhered to TC alloy, it is easy to leads crack because of rapid heating and then cooling, so please take careful when doing welding.

- **HT processing**
  - Stuffing material may leak or hard metal part may crack while drilling hole or tapping processing, so please make sure all parts are in good conduction after the processing.

- **All processing**
  - All machine equipped safety devices should be strictly used in each processing, and workers should wear glasses, gloves, safety shoes and helmet strictly as safety production requires in all processings.